

2024 Junior Division Awards

Alabama Science and Engineering Fair



Junior Division Special Award Winners

Lemelson Early Inventor Prize

Sponsored by: The Lemelson Foundation

This award will recognize a young inventor creating a promising solution to real-world problems. The winner will receive a certificate and an award verification letter redeemable for a \$100 cash award.

The winner is: Henry Quillen - Clark-Shaw Magnet School

Broadcom Coding with Commitment Award

Sponsored by: Broadcom Foundation

This award will go to a student whose project emphasizes how STEM knowledge and technology come together to create solutions that protect, preserve, save, improve, or promote quality of life or nature. Awardee will receive a \$250 gift certificate and a Raspberry Pi Pico Kit.

The winner is: Tyler Broussard - John P Powell Middle School

100+ Women Strong Achievement Award

Sponsored by: 100+ Women Strong at Auburn University

This achievement award recognizes three students that exemplify research excellence in any category. Three winners will receive a \$100 cash prize and a certificate each.

The winners are:

Malak Alabsi - Islamic Academy of Alabama

Layla Rogers - Houston Academy

Brooke May - Clark-Shaw Magnet School

Biological Sciences Award for Outstanding Poster in Animal and Plant Sciences

Sponsored by: Department of Biological Sciences at Auburn University

This award recognizes an outstanding poster in the Animal, Plant, Computational and Bioinformatics Sciences category by a middle school student. The awardee will receive a certificate and a \$100 cash award.

The winner is: Nathaniel Truitt - Clark-Shaw Magnet School

Biological Sciences Award for Outstanding Poster in Medicine and Health Sciences

Sponsored by: Department of Biological Sciences at Auburn University

This award recognizes an outstanding poster in the Medicine, Health & Translational Medical Sciences category by a middle school student. The awardee will receive a certificate and a \$100 cash award.

The winner is: Maryam Kanpher - Islamic Academy of Alabama

Chemistry and Biochemistry Award

Sponsored by: Department of Chemistry and Biochemistry at Auburn University

This award is designed to recognize the top chemistry/biochemistry project.

The awardee will receive a certificate and \$100 cash award.

The winner is: Laya Gowder - Liberty Middle School

Geosciences Award

Sponsored by: Department of Geosciences at Auburn University

This award recognizes high achievement in geoscience, geology, and geography. The winners will be presented with a certificate and \$100 cash award.

The winner is: Corbin Perry - Clark-Shaw Magnet School

Innovation of Robotic Systems

Sponsored by: Southeastern Center of Robotics Education (SCORE) at Auburn University

This award recognizes a project that shows great promise in the use of robotic systems. The winner will receive a certificate and a \$100 cash award.

The winner is: Karson Cullen, Lachlan Owens - Dothan Prep Academy

Physics Award for Ingenuity and Inventiveness

Sponsored by: Department of Physics at Auburn University

This award recognizes a student who demonstrates an understanding of the laws of physics and how to use them to interpret and understand the world around us. The winner will receive a certificate and a \$100 cash award.

The winner is: Nicholas Sabatino - Holy Spirit Catholic School

Garage Science Award

Sponsored by: Alabama Science and Engineering Fair at Auburn University

Many scientific discoveries or engineering marvels have happened outside of a laboratory. This award celebrates a student who created an outstanding project within their home or garage. The winner will receive a certificate and \$100 cash award.

The winner is: Caleb Tran - Phillips Preparatory School

Society of Women in Sciences and Mathematics Achievement Award

Sponsored by: Society of Women in Sciences and Mathematics at Auburn University

This award recognizes high achievement in scientific research by a student.

The winner of this award will receive a certificate and a \$100 cash award.



The winner is: Brianna Wilkinson - Holy Family School

Spirit of Excellence Award

Sponsored by: College of Sciences and Mathematics Office of Inclusion, Diversity and Equity

This award recognizes excellence in science research by a student. The winner will receive a certificate and \$100 cash award.

The winner is: Janaia Vanterpool - Oakwood Adventist Academy (MS)

Talent in Mathematics and Statistics Award

Sponsored by: Department of Mathematics and Statistics at Auburn University

This award recognizes a project, from any category, that demonstrates a strong mathematical and statistical analysis. The winner will receive a certificate and a \$100 cash award.

The winner is: McKenzie Ashford, Andrea Hernandez - South Girard School

Future Rocket Scientist Award

Sponsored by: Aerospace Engineering Department at Auburn University

This award recognizes high achievement in research related to Aerospace Engineering. The winner will receive a certificate and a \$100 cash award.

The winner is: Abby Skinner - Houston Academy

Biosystems Engineering Award

Sponsored by: Biosystems Engineering Department at Auburn University

This achievement award recognizes an individual that demonstrates an innovative approach to application of math and/or engineering to biological systems. The winner will receive a certificate and a \$100 cash award.

The winner is: Diya Issa - Islamic Academy of Alabama

Chemical Engineering Award

Sponsored by: Chemical Engineering Department at Auburn University

This award recognizes high achievement in scientific research in fields related to Chemical Engineering or Applied Chemistry. The winner will receive a certificate and a \$100 cash award.

The winner is: Ritesh Babu - East Samford School

Electrical and Computer Engineering Award

Sponsored by: Department of Electrical and Computer Engineering at Auburn University

This award is presented to an outstanding project in the Robotic Systems and Communication Technology category. The winner will receive a certificate and \$100 cash award.

The winner is: Karson Cullen, Lachlan Owens - Dothan Prep Academy



Future Scientist or Mathematician Award

Sponsored by: Dean of the College of Sciences and Mathematics at Auburn University

This award will be given to a student, in any category, who demonstrates a complete, thorough, and current understanding of a scientific topic during their interview. As such, this student shows great promise as a future scientific researcher. The award winner will receive a certificate and a \$100 cash award.

The winner is: Brianna Wilkinson - Holy Family School

Outstanding Engineering Award

Sponsored by: Dean of the Samuel Ginn College of Engineering at Auburn University

This award recognizes a project, in any category, that demonstrates an innovative application of math or science to a societal challenge. The award winner will receive a certificate for their efforts and a \$100 cash award.

The winner is: Peter Korman - Holy Family School

Innovative Practices in Agriculture Award

Sponsored by: Dean of Agriculture at Auburn University

This cash prize of \$100 recognizes innovative research related to soil management, crop production, or water resources.

The winner is: Nathaniel Truitt - Clark-Shaw Magnet School

Economic Impact Award

Sponsored by: Dean of Raymond J. Harbert College of Business at Auburn University

This award goes to the project that best demonstrates high potential for economic impact locally or globally. This award comes with a \$100 cash prize.

The winner is: Maxwell Morgan, Rachel Shu, Alex Zhu - Northridge Middle School

Medical Interventions Award

Sponsored by: Dean of Pharmacy at Auburn University

The Auburn University Harrison College of Pharmacy is providing a \$100 cash prize for a student whose project aims to improve human health and longevity by translating novel discoveries in the biomedical sciences into effective activities and tools for clinical and public health use.

The winner is: Saketh Pondugula - Auburn Jr. High School

Health and Wellness of Animals Award

Sponsored by: Dean of Veterinary Medicine at Auburn University

The Auburn University College of Veterinary Medicine is providing a \$100 cash prize in recognition of one research project that shows the most promise for improving the health and well-being of agricultural or human companion animals.

The winner is: Justus Minnon - Libertas Classical (MS)



Junior Division Category Award Winners

1st place receives \$100 cash prize, certificate and ASEF medal

2nd place receives \$50 cash prize, certificate and ASEF medal

3rd place receives certificate and ASEF medal

Category 100: Animal and Plant Sciences

1st Place: Brianna Wilkinson - Holy Family School

2nd Place: Andrew Valeri - East Samford School

3rd Place: Nathaniel Truitt Clark- Shaw Magnet School

Category 200: Behavioral & Social Sciences

1st Place: Malak Alabsi - Islamic Academy of Alabama

2nd Place: Kira LeFevre - Wetumpka Middle School

3rd Place: Tameem AL-Muntharee Islamic Academy of Alabama

Category 300: Cell, Molecular, Microbiology & Biochemistry

1st Place: Jenna Mitchell, Lily Potts, Lennon Strickland - Carver MST

2nd Place: Addison Clayton, Liam Lugo - Dothan Prep Academy

3rd Place: Lacey Stinson, Sean Wilkerson - W. J. Christian K8 School

Category 400: Chemistry

1st Place: Aeesha Mulani - Tuscaloosa Magnet Schools - Middle

2nd Place: Caroline Heersink - Houston Academy

3rd Place: Corbin Franklin - Phillips Preparatory School

Category 500: Engineering

1st Place: Abby Skinner - Houston Academy

2nd Place: Maryam Rasheed - Islamic Academy of Alabama

3rd Place: Henry Bearden, Neil DeLaire, Aniketh Kalyan -

Tuscaloosa Magnet Schools - Middle

Category 600: Energy

1st Place: Arya Adhikari - East Samford School

2nd Place: Maxwell Morgan, Rachel Shu, Alex Zhu - Northridge Middle School

3rd Place: Vendetta Muehlbauer - Islamic Academy of Alabama

Category 700: Earth and Environmental Sciences & Environmental Engineering

1st Place: Sofia Huebner, Layla Waller - Tuscaloosa Magnet Schools - Middle

2nd Place: Theodore Goldsmith, Yumin Kim - East Samford School

3rd Place: Henry Quillen - Clark-Shaw Magnet School

Category 800: Biomedical Engineering & Biomedical and Health Sciences

- 1st Place: Ritesh Babu - East Samford School
- 2nd Place: Shravan Balaji - Liberty Middle School
- 3rd Place: Adyson Moore - Phillips Preparatory School

Category 900: Physics, Astronomy & Mathematics

- 1st Place: Jackson Powell - Providence Classical School (MS)
- 2nd Place: Jude Alabsi, Haroon Nabi - Islamic Academy of Alabama
- 3rd Place: Nicholas Sabatino - Holy Spirit Catholic School

Category 1100: Robotic Systems & Communication Technology

- 1st Place: Karson Cullen, Lachlan Owens - Dothan Prep Academy
- 2nd Place: Kayden Barbour - Liberty Middle School
- 3rd Place: Connor Whitman - Hilltop Montessori School

Category 1200: Computational and Bioinformatics Sciences

- 1st Place: Saketh Pondugula - Auburn Jr. High School
- 2nd Place: Violet Borchert - Clark-Shaw Magnet School

Thermo Fisher Scientific Junior Inventors Challenge (JIC)

Sponsored by: Thermo Fisher Scientific

The Thermo Fisher Scientific Junior Inventors Challenge (JIC) is the nation's premier STEM research competition for 6th, 7th and 8th grade students. The top 10% of Junior Division students competing here today at ASEF have the honor of continuing their science fair journey by applying to compete in the Thermo Fisher Junior Inventors Challenge.

The winners are:

- Arya Adhikari - East Samford School
- Brianna Wilkinson - Holy Family School
- Abby Skinner - Houston Academy
- Jackson Powell - Providence Classical School (MS)
- Aeesha Mulani - Tuscaloosa Magnet Schools - Middle
- Jenna Mitchell, Lily Potts, Lennon Strickland - Carver MST
- Ritesh Babu - East Samford School
- Malak Alabsi - Islamic Academy of Alabama
- Saketh Pondugula - Auburn Jr. High School
- Sofia Huebner, Layla Waller - Tuscaloosa Magnet Schools - Middle

